

METHOD FOR INCREASING THERMAL PRINT QUALITY

Abstract

A printing method for printing a pixel at a gray level x on paper by a printer. The printer includes a thermal print head, which includes a heater for heating a ribbon to print pixels from gray levels 1 to $m-1$ on the paper, and the ribbon. The method includes: if x is not greater than a value n , heating the ribbon x times and evenly distributing the heating initiation times of the x times between the time point 0 and the time point $(m*(x-1)/n)$ for printing the pixel at gray level x on the paper. If x is greater than the value n , heating the ribbon x times and evenly distributing the heating initiation time of the n times between the time point 0 and the time point $(m*(n-1)/n)$ and distributing the heating initiation times of the $x-n$ times after the heating initiation time points of the n times.